

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION

WIN-1478

Effective December 1, 2011

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **September 2013**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Builders Vinyl Block Frame Fixed Window, Individual, Non-impact Resistant, manufactured by:

JELD-WEN Windows & Doors
3737 Lakeport Blvd.
Klamath Falls, Oregon 97601
Telephone: (800) 535-3936

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Builders Vinyl window is a vinyl block frame fixed window. The vinyl block frame fixed windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for vinyl block frame fixed windows based on the following tested construction:

General Description:

System	Description	Label Rating
1	Builders Vinyl Block Frame Fixed Windows; (O)	FW-R50 72 x 77

Product Dimensions:

System	Overall Size	Daylight Opening Size
1	72" x 77"	69 $\frac{3}{8}$ " x 74 $\frac{3}{8}$ "

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two $\frac{3}{16}$ " annealed glass lites separated by an aluminum spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is set from the exterior on blocks at each end and bedded against silicone sealant. The insulating glass unit is secured with vinyl snap-in glazing beads.

Frame Construction: The frame members are manufactured from extruded PVC (vinyl). The frame corners are mitered and welded construction.

Reinforcement: None.

Hardware: None.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**JW-18**); product name: **Builders Vinyl Block Frame SH PW**; performance characteristics; the approved inspection agency (AAMA); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	72	77	± 50

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be installed in accordance with the manufacturer's installation instructions and this evaluation report. Detailed drawings and installation instructions are available from the manufacturer.

Frame Installation: The wall framing shall be one of the following:

- Spruce-Pine-Fir dimension lumber
- Concrete (cast-in-place or precast, minimum 3,000 psi)
- Concrete block (grout filled, ASTM C-90, grade N, Type 1)
- Steel (minimum 18 gauge, $F_y = 33$ ksi)

The window shall be fastened to the wall framing using the frame of the window. Fasteners shall be spaced approximately 5 inches from each corner and approximately $12\frac{1}{2}$ inches on center along the head and approximately 11 inches on center along each side jamb. For wood wall framing, the fasteners

shall be minimum No. 8 screws. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members. For concrete or concrete block wall framing, the fasteners shall be minimum ⅜ inch diameter Tapcons. The fasteners shall be long enough to penetrate a minimum of 1 ¾ inches into the wall framing members. For steel wall framing, the fasteners shall be minimum No. 8 Tek screws. The fasteners shall be long enough to penetrate a minimum of three threads through the steel framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.